

Receipt date: 07/26/2002 →

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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<p>Complete if Known</p>	
Sheet	1	of	6	Application Number	10/038,377
				Filing Date	October 19, 2001
				First Named Inventor	Dusty Lutz et al.
				Group Art Unit	3652
				Examiner Name	Unknown
				Attorney Docket Number	7594.10

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Complete if Known

Application Number	10/038,377
Filing Date	October 19, 2001
First Named Inventor	Dusty Lutz et al
Group Art Unit	3652
Examiner Name	Unknown

U.S. PATENT DOCUMENTS						
Examiner Initials'	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	3,182,357	Tuttle		05-11-1965		
	3,688,873	Potrafke		09-05-1972		
	3,725,895	Haynes		04-03-1973		
	3,836,755	Ehrat		09-17-1974		
	3,878,365	Schwartz		04-15-1975		
	4,071,740	Gogulski		01-31-1978		
	4,084,742	Silverman		04-18-1978		
	4,373,133	Clyne et al.		02-08-1983		
	4,583,083	Bogasky		04-15-1986		
	4,583,619	Fry		04-22-1986		
	4,676,343	Humble et al.		01-30-1987		
	4,679,154	Blanford		07-07-1987		
	4,715,457	Amacher et al.		12-29-1987		
	4,775,782	Mergenthaler et al.		10-04-1988		
	4,779,706	Mergenthaler		10-25-1988		
	4,787,467	Johnson		11-29-1988		
	4,789,048	Cramer et al.		12-06-1988		
	4,792,018	Humble et al.		12-20-1988		
	4,909,356	Rimondi et al.		03-20-1990		
	4,929,819	Collins, Jr.		05-29-1990		

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Text
		Office ²	Number ⁴	Kind Code ⁵ (if known)				
		BE	899018			06-18-1984		
		DE	1927819			02-04-1971		
		DE	2125869			12-07-1972		
		DE	3114139 A1			11-04-1982		
		DE	3330301 A1			03-14-1985		
		EP	0060701 B1			09-22-1982		
		EP	0124355 B1			11-07-1984		
		EP	0178223 A2			04-16-1986		
		EP	0491348 A2			06-24-1992		
		EP	0811958 A2			12-10-1997		

Examiner Signature	/Jeffery Shapiro/ (04/21/2009)	Date Considered	
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¹ Unique citation designation number. ² See attached *Kinds of U.S. Patent Documents*. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	10/038,377
				Filing Date	October 19, 2001
				First Named Inventor	Dusty Lutz et al.
				Group Art Unit	3652
				Examiner Name	Unknown
Sheet	3	of	6	Attorney Docket Number	
7594.10					

U.S. PATENT DOCUMENTS						Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Examiner Initials'	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
	5,378,860			Dingfelder et al.	01-03-1995		
	5,397,882			Van Solt	03-14-1995		
	5,398,191			Komai	03-14-1995		
	5,424,524			Ruppert et al.	06-13-1995		
	5,426,282			Humble	06-20-1995		
	5,426,423			Raimbault et al.	06-20-1995		
	5,434,394			Roach et al.	07-18-1995		
	5,437,346			Dumont	08-01-1995		
	5,448,046			Swartz	09-05-1995		
	5,457,307			Dumont	10-10-1995		
	5,484,991			Sherman et al.	01-16-1996		
	5,485,006			Allen et al.	01-16-1996		
	5,489,773			Kumar	02-06-1996		
	5,494,136			Humble	02-27-1996		
	5,497,314			Novak	03-05-1996		
	5,497,853			Collins, Jr. et al.	03-12-1996		
	5,540,301			Dumont	07-30-1996		
	5,543,607			Watanabe et al.	08-06-1996		
	5,544,040			Gerbaulet	08-06-1996		
	5,560,450			Kouno	10-01-1996		

Examiner Signature	/Jeffery Shapiro/ (04/21/2009)	Date Considered
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1003-37 (7-78B/08A (10B-00)) : 3653
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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<p>Complete if Known</p> <table border="1"> <tr> <td>Application Number</td> <td>10/038,377</td> </tr> <tr> <td>Filing Date</td> <td>October 19, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Dusty Lutz et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>3652</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> <tr> <td>Attorney Docket Number</td> <td>7594.10</td> </tr> </table>		Application Number	10/038,377	Filing Date	October 19, 2001	First Named Inventor	Dusty Lutz et al.	Group Art Unit	3652	Examiner Name	Unknown	Attorney Docket Number	7594.10
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Group Art Unit	3652																
Examiner Name	Unknown																
Attorney Docket Number	7594.10																
Sheet	4	of	6														

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,595,264		Trotta, Jr.	01-21-1997	
		5,609,223		Iizaka et al.	03-11-1997	
		5,635,906		Joseph	06-03-1997	
		5,637,847		Watanabe	06-10-1997	
		5,662,190		Abe	09-02-1997	
		5,663,963		Goodwin, III et al.	09-02-1997	
		5,684,289		Detwiler et al.	11-04-1997	
		5,721,420		May	02-24-1998	
		5,736,721		Swartz	04-07-1998	
		5,752,582		Hayward	05-19-1998	
		5,814,799		Swartz et al.	09-29-1998	
		5,821,512		O'Hagan et al.	10-13-1998	
		5,845,263		Camaisa et. al.	12-01-1998	
		5,877,485		Swartz	03-02-1999	
		5,883,968		Welch et al.	03-16-1999	
		5,884,728		d'Estaintot et al.	03-23-1999	
		5,898,158		Shimizu et al.	04-27-1999	
		5,900,614		Nakakawaji et al.	05-04-1999	
		5,923,735		Swartz et al.	07-13-1999	
		5,978,772		Mold	11-02-1999	

FOREIGN PATENT DOCUMENTS

Examiner Signature	/Jeffery Shapiro/ (04/21/2009)	Date Considered	
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100-38075908B (D-001): 3653

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/038, 377
Filing Date	October 19, 2001
First Named Inventor	Dusty Lutz et al.
Group Art Unit	3652
Examiner Name	Unknown

Attorney Docket Number 7594.10

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		"Optimal Robotics Selects Diebold's ATM Cash Dispensing Technology; Industry Leading U-Scan Express Self-Checkout System To Incorporate Diebold ATM Dispensers", Business Wire, December 20, 1999
		AMATO-MCCOY, DEENA, "Brookshire's Shoppers Will Soon Experience Ease and Convenience of NCR Self-Checkout; NCR Self-Checkout Express Lets Shoppers Scan and Pay for Their Purchases", PR Newswire, February 24, 1999
		AMATO-MCOY, DEENA, "Self-Checkout Test Planned at Brookshire Grocery Units", Supermarket News Page: 21(1), April 26, 1999
		"More Supermarkets Can Offer Shoppers Ease and Convenience of NCR Self-Checkout", PR Newswire, February 16, 1999
		POWER, DENISE, "Self-Scanning Checks In. (Meijer)", HFN The Weekly Newspaper for the Home Furnishing Network, vol. 72, Issue No. 36, September 14, 1998
		Web pages: http://www.terregal.net.au/kjka/www.pscnet.com/uscanspe.htm , U-Scan Express(tm) Self-Checkout, 3/29/00
		ZIMMERMAN, KIM ANN, "Food Lion To Install More Self-Checkouts", Supermarket News, October 4, 1999
		"NCR: NCR Unveils Retail Self-Service Solution", M2 Presswire, June 16, 1998
		CORBIN, COLE, "Checking Out Self-Scanning: More Retailers Are Singing the Praises of Both Portable and Stationary Self-Scanning, But Customers Still Need a Bit of Wooing", Supermarket News, March 15, 1999
		MOLTZEN, EDWARD F., "NCR, Innovax Team For Supermarket Sweep", Computer Reseller News, February 22, 1999
		Abstract: WOODYARD, CHRIS, "Grocery Shoppers Can Be Own Cashiers", USA Today, March 9, 1998

Examiner Signature	/Jeffery Shapiro/ (04/21/2009)	Date Considered
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/038,377
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First Named Inventor	Dusty Lutz et al.
Group Art Unit	3652
Examiner Name	Unknown
Attorney Docket Number	7594.10

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Search Results List: 8 Articles listed; Word or Phrase: Self and (checkout or scan?) and automat? and teller and mach, Date range: 1998 - Present; print date April 3, 2000	
		Search Results List: 7 Articles listed; Word or Phrase: Self and (checkout or scan?) and automat? and teller and mach, Date range: Backfile (1986-1997); print date April 3, 2000	
		Search Results List by Rank: 100 Articles listed; Search criteria Self-Checkout Coupled To An Automated Teller Machine; print date March 29, 2000	
		U-Scan Express.TM., The U-Scan Express.TM. Self-Checkout System, Spectra-Physics Scanning Systems, Inc., February 1996	
		Optimal Robotics 8870 System. TM., Optimal Robotics Corporation, 1995	
		ZIMMERMAN, DENISE, "Kroger Unit to Expand Customer Self-Scanning", Supermarket News, August 14, 1995, page 15	
		ZIMMERMAN, DENISE, "Kroger Self-Scan Lane To Test Debit Credit" Supermarket News, Vol. 45, Number 14, page 13+, April 3, 1995	
		LANG JONES, JEANNE, "Robots Will Do Checkout at Grocery", Houston Post, (Final, Business, p. C1, February 22, 1995	
		"Burger King Tests Credit-Card Payments", The Miami Herald Knight-Rider/Tribune Business News, July 9, 1993	
		WISEMBERG-BRIN, DINAH, Associated Press, "You-buy, you-scan bag", Dayton Daily News, August 11, 1996	
		GAMBURER, A.T., et al., "Analogue-code Converter Used with Strain Gauge Hopper Weighers", Instrumental and Control, March 3, 1969	

Examiner
Signature

/Jeffery Shapiro/ (04/21/2009)

Date
Considered

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Receipt date: 01/31/2002

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FORM PTO-1449 (Modified)

ATTY. DOCKET NO.

SERIAL NUMBER

7594.10

10/038,377

APPLICANT

Dusty Lutz et al.

FILING DATE

GROUP

October 19, 2001

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICATION'S INFORMATION DISCLOSURE
STATEMENT
(Use several sheets if necessary)

JAN 31 2002

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS											
Exam. Initial		DOCUMENT NUMBER					DATE	NAME			CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	3	8	7	8	3	6	5	04/15/75	Schwartz	235	61.7 R	
	AB	4	6	6	1	9	0	8	04/28/87	Hamano et al.	364	405	
	AC	4	7	7	9	7	0	6	10/25/88	Mergenthaler	186	61	
	AD	4	7	8	7	4	6	7	11/29/88	Johnson	235	383	
	AE	5	1	2	5	4	6	5	06/30/92	Schneider	177	50	
	AF	5	1	9	1	7	4	9	03/09/93	Cappi et al.	53	502	
	AG	5	6	3	7	8	4	7	06/10/97	Watanabe	235	383	RECEIVED
	AH	5	8	9	8	1	5	8	04/27/99	Shimizu et al.	235	383	APR 03 2002
	AJ												
	AJ											GROUP 36-1	

FOREIGN PATENT DOCUMENTS						TRANSLATION		
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AK							
	AL							

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)					
AM					
AN					

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(Information Disclosure Statement -Section 9 PTO-1449 (Modified) [6-1] - Page 1 of 1)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. 7594.10

Application of

Dusty Lutz et al.

Serial No. 10/038,377

Filed: October 19, 2001

RECEIVED
JUL 31 2002
GROUP 3600

INFORMATION
DISCLOSURE STATEMENT
37 CFR §1.97(b)

Group Art Unit: 3652

Examiner: Unknown

FOR: METHOD OF MONITORING ITEM SHUFFLING IN A POST-SCAN AREA
OF A SELF-SERVICE CHECKOUT TERMINAL

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on JUL 23 2002 (Date of Deposit).

Patricia Carthey
Patricia Carthey

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 CFR 1.56 and 1.97-1.98 with regard to the above-identified application, please find enclosed copies of the references listed on the enclosed form entitled "Information Disclosure Statement By Applicant". These references are generally related to self-checkout systems; and they include patents specifically related to self-checkout systems and cited in the prosecution of various NCR applications relating to self-checkout systems.

The following additional references not listed on the Information Disclosure Statement were cited during prosecution of the above-mentioned NCR applications relating to self-checkout systems but do not appear to be specifically related to self-checkout systems:

Patent No.	Issue date	Title
3,263,774	08/02/66	CONTROL APPARATUS
3,436,968	04/08/69	PROCESSING CONTROL SYSTEM
3,681,570	08/01/72	METHOD AND APPARATUS FOR IDENTIFYING ARTICLES
3,681,571	08/01/72	SYSTEM FOR IDENTIFYING ARTICLES
3,696,586	10/10/72	BAGGING AND CHECKOUT COUNTER SYSTEM
3,735,350	05/22/73	CODE SCANNING SYSTEM
3,819,012	06/25/74	MERCHANDISE HANDLING AND IDENTIFYING SYSTEM
3,869,575	03/04/75	SPEECH-SYNTHESIS SYSTEM
3,947,817	03/01/76	HAND OPERATED OPTICAL CHARACTER RECOGNITION WAND

Not an IDS, Not considered by Examiner, JAS 5/26/09

Patent No.	Issue date	Title
3,949,194	04/06/76	CHECK-OUT TERMINAL
3,962,569	06/08/76	VALUE COMPUTING SCALE
3,962,570	06/08/76	SCALE WITH MANUAL TARE ENTRY
3,984,667	10/05/76	MOTION DETECTING SCALE
3,986,012	10/12/76	DIGITAL WEIGHT MEASURING AND COMPUTING APPARATUS WITH AUTOMATIC ZERO CORRECTION
4,004,139	01/18/77	DIGITAL SCALE WITH MEANS TO SHIFT DISPLAYED WEIGHT TO SHOW FRACTION OF LEAST NORMALLY DISPLAYED GRADUATION
4,028,537	06/07/77	PRODUCT PROCESSING SYSTEM WITH PRICE PRINTER
4,069,970	01/24/78	DATA ACCESS CIRCUIT FOR A MEMORY ARRAY
4,114,721	09/19/78	METHOD AND SYSTEM FOR ACOUSTIC NOISE LOGGING
4,138,000	02/06/79	CHECKOUT COUNTER
4,177,880	12/11/79	COMBINATION SUPERMARKET COUNTER AND CART THEREFOR
4,180,204	12/25/79	AUTOMATIC INVENTORYING SYSTEM
4,236,604	12/02/80	START/STOP CONTROL OF CONVEYING MEANS
4,237,483	12/02/80	SURVEILLANCE SYSTEM
4,327,819	05/04/82	OBJECT DETECTION SYSTEM FOR A SHOPPING CART
4,347,903	08/07/82	ELECTRONIC READING BALANCE
4,353,564	10/12/82	SUPERMARKET COUNTER CONSTRUCTION AND METHOD OF USING SAME
4,369,334	01/18/83	AUDIBLE ANNOUNCEMENT IN AN ELECTRONIC CASH REGISTER
4,369,361	01/18/83	PORTABLE, STAND-ALONE, DESK-TOP LASER SCANNING WORKSTATION FOR INTELLIGENT DATA ACQUISITION TERMINAL AND METHOD OF SCANNING
4,377,741	03/22/83	APPARATUS FOR PRODUCING UPDATED INFORMATION ON A TANGIBLE MEDIUM
4,392,535	07/12/83	ZERO-POINT ADJUSTING METHOD FOR AUTOMATIC WEIGHING APPARATUS
4,412,298	10/25/83	METHOD FOR TRACKING CREEP AND DRIFT IN A DIGITAL SCALE UNDER FULL LOAD
4,500,880	02/19/85	REAL TIME, COMPUTER-DRIVEN RETAIL PRICING DISPLAY SYSTEM
4,509,129	04/02/85	ELECTRONIC CALCULATING MACHINE WITH FACILITIES OF ANNOUNCING DATA INTRODUCED
4,529,871	07/16/85	PRICE MARKING SYSTEM
4,549,867	10/29/85	ELECTRONIC LEARNING AID WITH RANDOM NUMBER MODES
4,574,317	03/04/86	HAND SCANNABLE PORTABLE COPIER AND METHOD

Not an DDS, Not considered by Examiner JAS 5/26/09

Patent No.	Issue date	Title
4,602,152	07/22/86	BAR CODE INFORMATION SOURCE AND METHOD FOR DECODING SAME
4,605,080	08/12/86	SPEECH RECOGNITION CONTROL SYSTEM AND METHOD
4,660,160	04/21/87	ELECTRONIC WEIGHING DEVICE HAVING LABEL PRINTER WITH DATA STABILITY CHECK
4,661,908	04/28/87	SALES DATA PROCESSING SYSTEM
4,688,105	08/18/87	VIDEO RECORDING SYSTEM
4,709,770	12/01/87	DEVICE FOR CORRECTING DYNAMIC WEIGHT SIGNAL FROM CONVEYER WEIGHER
4,723,118	02/02/88	MAGNETIC DETECTION SYSTEM FOR ITEMS ON THE LOWER TRAY OF A SHOPPING CART
4,725,822	02/16/88	SHOPPING CART WITH LOWER TRAY SIGNALLING DEVICE
4,734,713	03/29/88	THERMAL PRINTER
4,736,098	04/05/88	SIGNALLING METHOD AND APPARATUS FOR A CONVENTIONAL SHOPPING CART
4,766,296	08/23/88	ARTICLE CHECKOUT COUNTER AND SYSTEM
4,766,299	08/23/88	HAND-MOUNTED BAR CODE READER
4,800,493	01/24/89	ELECTRONIC CASH REGISTER
4,838,383	06/13/89	APPARATUS FOR CHECKING OUT PURCHASES
4,866,661	09/12/89	COMPUTER CONTROLLED RENTAL AND SALE SYSTEM AND METHOD FOR A SUPERMARKET AND THE LIKE
4,881,606	11/21/89	POINT-OF-SALE APPARATUS
4,914,280	04/03/90	OPTICAL WAND INTERFACE TO FIXED SCANNER
4,959,530	09/25/90	ARTICLE PRICE INDICATOR
4,964,167	10/16/90	APPARATUS FOR GENERATING SYNTHESIZED VOICE FROM TEXT
4,971,177	11/20/90	DATA GATHERING SYSTEM HOUSING/MOUNTING
4,975,948	12/04/90	RAPID DIALING METHOD FOR TELECOMMUNICATIONS
5,053,636	10/01/91	OVERRIDE CIRCUIT FOR MEDICAL TABLE
5,058,691	10/22/91	INFRARED DETECTOR FOR ENSURING CORRECT WEIGHING
5,079,412	01/07/92	POINT OF SALE DATA PROCESSING APPARATUS FOR HANDY TYPE BAR CODE READER WHICH CAN BE FLUSH MOUNTED
5,121,103	06/09/92	LOAD ISOLATED ARTICLE SURVEILLANCE SYSTEM AND ANTENNA ASSEMBLY
5,139,100	08/18/92	POINT-OF-SALE SCANNER/SCALE SYSTEM WITH SCALE ACTIVATION OF SCANNER
5,140,145	08/18/92	BAR CODE READER TEST AND TAMPERING INDICATION SYSTEM
5,142,161	08/25/92	HAND-HELD OPTICAL SCANNER AND HIGHLIGHTER

Not an IDS, NOT considered by Examiner, JAS 5/26/09

Patent No.	Issue date	Title
5,149,211	09/22/92	PRINTERS AND ANCILLARY SYSTEMS
5,174,399	12/29/92	POINT-OF-SALE SCANNER/SCALE SYSTEM WITH SCALE ACTIVATION OF SCANNER
5,177,345	01/05/93	MERCHANDISE SCANNER FOR RETAIL STORES
5,177,800	01/05/93	BAR CODE ACTIVATED SPEECH SYNTHESIZER TEACHING DEVICE
5,178,234	01/12/93	CHECKOUT APPARATUS
5,189,291	02/23/93	BAR CODE READER OPERABLE AS REMOTE SCANNER OR WITH FIXED TERMINAL
5,195,613	03/23/93	COMMODITY DATA READER
5,230,391	07/27/93	WEIGHER-CONVEYOR SYSTEM
5,231,293	07/27/93	BAR CODE READING INSTRUMENT WHICH PROMPTS OPERATOR TO SCAN BAR CODES PROPERLY
5,239,167	08/24/93	CHECKOUT SYSTEM
5,256,864	10/26/93	SCANNING SYSTEM FOR PREFERENTIALLY ALIGNING A PACKAGE IN AN OPTIMAL SCANNING PLANE FOR DECODING A BAR CODE LABEL
5,265,075	11/23/93	VOICE PROCESSING SYSTEM WITH EDITABLE VOICE FILES
5,293,319	03/08/94	POSTAGE METER SYSTEM
5,314,631	05/24/94	STATIONARY BAR CODE READER WHICH CAN BE DETECTED AND SEPARATED INTO A HAND-HELD BAR CODE READER
5,334,826	08/02/94	METHOD AND APPARATUS FOR EXTENDING AND CONFIRMING THE SERVICE LIFE OF SEMICONDUCTOR LASER OF BAR CODE READER BY DETECTING CURRENT INCREASE CORRESPONDING TO TEMPERATURE OF SEMICONDUCTOR LASER
5,335,171	08/02/94	ELECTRONIC REGISTER
5,365,050	11/15/94	PORTABLE DATA COLLECTION TERMINAL WITH VOICE PROMPT AND RECORDING
5,374,815	12/20/94	TECHNIQUE FOR LOCATING ELECTRONIC LABELS IN AN ELECTRONIC PRICE DISPLAY SYSTEM
5,382,779	01/17/95	SHELF PRICE LABEL VERIFICATION APPARATUS AND METHOD
5,393,965	02/28/95	FLEXIBLE MERCHANDISE CHECKOUT AND INVENTORY MANAGEMENT SYSTEM
5,406,063	04/11/95	HAND-HELD DATA SCANNER HAVING ADJUSTABLE KEYBOARD PANEL
5,410,108	04/25/95	COMBINED SCANNER AND SCALE
5,412,191	04/02/95	SERVICE DESK FOR THE REGISTRATION, BOOKING AND/OR PAYMENT OF GOODS, VOUCHERS AND THE LIKE
5,424,521	06/13/95	ARTICLE CHECKOUT SYSTEM WITH PRICE PARAMETER OVERRIDE CAPACITY

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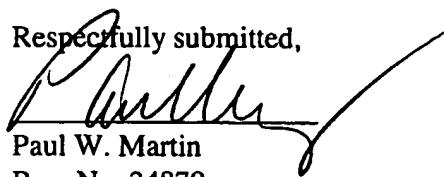
Patent No.	Issue date	Title
5,448,226	09/05/95	SHELF TALKER MANAGEMENT SYSTEM
5,454,063	09/26/95	VOICE INPUT SYSTEM FOR DATA RETRIEVAL
5,461,561	10/24/95	SYSTEM FOR RECOGNIZING DISPLAY DEVICES
5,478,989	12/26/95	NUTRITIONAL INFORMATION SYSTEM FOR SHOPPERS
5,482,139	01/09/96	AUTOMATED DRIVE-UP VENDING FACILITY
5,488,202	01/30/96	WEIGHING DEVICE FOR THE REGISTRATION OF GOODS IN STORES
5,493,107	02/20/96	SHELF PRICE LABEL AND PRODUCT PLACEMENT VERIFICATION METHOD AND APPARATUS
5,493,613	02/20/96	COMBINATION PIN PAD AND TERMINAL
5,500,890	03/19/96	POINT-OF-SALE SYSTEM USING MULTI-THREADED TRANSACTIONS AND INTERLEAVED FILE TRANSFER
5,525,786	06/11/96	MULTIDIRECTIONAL SCAN, PLATFORM PURCHASE CHECKOUT SYSTEM
5,546,475	08/13/96	PRODUCE RECOGNITION SYSTEM
5,577,165	11/19/96	SPEECH DIALOGUE SYSTEM FOR FACILITATING IMPROVED HUMAN-COMPUTER INTERACTION
5,579,000	11/26/96	AUDIO/VIDEO PRICE CONFIRMATION SYSTEM
5,594,469	01/14/97	HAND GESTURE MACHINE CONTROL SYSTEM
5,644,630	07/01/97	INTERCOM SYSTEM FOR A SERVICE ESTABLISHMENT
5,708,782	01/13/98	METHOD AND APPARATUS FOR DISPENSING DISCOUNT COUPONS
5,721,536	02/24/98	AUDIO/VIDEO PRICE CONFIRMATION SYSTEM
5,740,744	04/21/98	THROUGH-WALL TYPE AUTOMATIC CUSTOMER SERVICE APPARATUS
5,756,978	05/26/98	MODULAR OPTICAL MEMORY CARD IMAGE DISPLAY POINT OF SALE TERMINAL
5,756,984	05/26/98	HANDY SCANNER
5,769,269	06/23/98	VENDING SYSTEM
5,780,825	07/14/98	AUTOMATIC TELLER MACHINE INCLUDING A HALT REQUESTING MECHANISM IN A DURSS PERIOD
5,784,446	07/21/98	METHOD AND APPARATUS FOR INSTALLING TELEPHONE INTERCOM-VOICE MESSAGING APPARATUS AT DOORBELL FOR DWELLING
5,801,371	09/01/98	OPTICAL READER WITH INDEPENDENT TRIGGERING AND GRAPHICAL USER INTERFACE
5,801,766	09/01/98	SECURITY SYSTEM FOR USE AT A ROULETTE TABLE
5,832,417	11/03/98	APPARATUS AND METHOD FOR AN AUTOMATIC SELF-CALIBRATING SCALE

Not an IDS, Not considered by Examiner, bal 5/26/89

Patent No.	Issue date	Title
5,832,457	11/03/98	METHOD AND APPARATUS FOR SELECTIVE DISTRIBUTION OF DISCOUNT COUPONS BASED ON PRIOR CUSTOMER BEHAVIOR
5,837,991	11/17/98	CARD TRANSPORT MECHANISM AND METHOD OF OPERATION
5,845,259	12/01/98	ELECTRONIC COUPON DISPENSING SYSTEM
5,884,281	03/16/99	ELECTRONIC GROCERY LISTER
5,890,135	03/30/99	SYSTEM AND METHOD FOR DISPLAYING PRODUCT INFORMATION IN A RETAIL SYSTEM
5,914,473	06/22/99	METHOD OF SCANNING BAR CODES OF BULKY ITEMS
5,925,872	07/20/99	SCANNING SYSTEM FOR EITHER HAND-HELD OR STATIONARY OPERATION FOR READING 1-D OR 2-D BARCODES
5,950,173	09/07/99	SYSTEM AND METHOD FOR DELIVERING CONSUMER PRODUCT RELATED INFORMATION TO CONSUMERS WITHIN RETAIL ENVIRONMENTS USING INTERNET-BASED INFORMATION SERVERS AND SALES AGENTS
5,970,470	10/19/99	SYSTEM AND METHOD FOR ESTABLISHING AND MANAGING SUBSCRIPTION PURCHASE AGREEMENTS INCLUDING COMMITMENTS TO PURCHASE GOODS OVER TIME AT AGREED UPON PRICES
5,979,757	11/09/99	METHOD AND SYSTEM FOR PRESENTING ITEM INFORMATION USING A PORTABLE DATA TERMINAL
5,984,177	11/16/99	MULTIPLE CONFIGURATION AUTOMATIC TELLER MACHINE
5,993,047	11/30/99	APPARATUS AND METHOD FOR REQUESTING AND DISPENSING NEGOTIABLE INSTRUMENTS
5,997,170	12/07/99	SYSTEM AND METHOD FOR REPORTING VENDING STATUS
6,000,522	12/14/99	MULTI-COMPARTMENT AND ACCEPTORS COMPUTERIZED VENDING MACHINE
6,002,808	12/14/99	HAND GESTURE CONTROL SYSTEM
6,047,889	04/11/00	FIXED COMMERCIAL AND INDUSTRIAL SCANNING SYSTEM
6,055,573	04/25/00	COMMUNICATING WITH A COMPUTER BASED ON AN UPDATED PURCHASE BEHAVIOR CLASSIFICATION OF A PARTICULAR CONSUMER
6,056,194	05/02/00	SYSTEM AND METHOD FOR NETWORKING AND CONTROLLING VENDING MACHINES
D 296,788	07/19/88	COMBINED PORTABLE DATA SCANNER AND PRINTER
RE 35,758	03/31/98	VOICE/DATA-FORMATTED TELEPHONE INFORMATION STORAGE AND RETRIEVAL SYSTEM

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Respectfully submitted,



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